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## **CLAIMS**

- 1. A hybridoma cell line which produces monoclonal antibodies capable of binding to the  ${\rm AT}_1$  subtype of the angiotensin II receptor.
- 2. A hybridoma cell line according to claim 1 which produces monoclonal antibodies that bind specifically to amino acid residues 8-17 of the mammalian  $AT_1$  receptor.
- A hybridoma cell line which produces monoclonal antibodies that bind specifically to a peptide having the amino acid sequence

H2N-Glu- Asp- Gly- Ileu- Lys- Arg- Ileu- Gln- Asp- Asp- -COOH

- A hybridoma cell line according to claim 1 being characterised by cell line accession No. 930720117 deposited at European Collection of Animal Cell Cultures, Porton Down, UK.
- 5. A monoclonal antibody that binds to the  ${\rm AT_1}$  subtype of the angiotensin II receptor.
- A monoclonal antibody according to claim 5 that binds to amino acid residues 8-17 of the mammalian AT1 receptor.
- 7. A monoclonal antibody that binds specifically to a peptide having the amino acid sequence

H<sub>2</sub>N-Glu- Asp- Gly- Ileu- Lys- Arg- Ileu- Gln- Asp- Asp- -COOH

8. Use of the monoclonal antibody according to any

Orb Or





one of claims 5 to 7 for the detection of  ${\rm AT_1}$  subtype of angiotensin II receptor.

- 9. Use of the monoclonal antibody according to any one of claims 5 to 7 for the control of vaso-constriction.
- 10. Use of the monoclonal antibody according to any one of claims 5 to 7 for the control of uterine contractions.
- A diagnostic test kit comprising the monoclonal antibody of according to any one of claims 5 to 7 attached to a detectable label.
- 12. A method of treating hypertension comprising administering a therapeutic effective amount of a monoclonal antibody according to any one of claims 5 to 7.
- 13. A method of controlling uterine contractions comprising administering a therapeutic effective amount of a monoclonal antibody according to any one of claims 5 to 7.